

M2G CASE STUDY

GEM-Utilities Ltd

Nov 2016

Carton make the M2G call !

14 miles from Dublin · 11,000 acre estate · World class Golf , Spa with pool, 2 golf courses, home to the Irish Rugby Team ... who doesn't know the Carton House Estate !

Project Details

#3 M2G controls complete with digital sensing probes and interface units were installed on the #3 1Mw Rendamax Type Boilers Model 280 with RWF modulating control. The project was completed in one day without any interruption to Hotel heating or hot water demand. Daily consumption data was used to calculate the savings . Over 480 daily kWh data points were plotted against daily HDD for a base temperature of 15.5°C.

The project was fully funded by Bord Gais. Annualized savings of 2,742,725 kW based on 2015 baseline were also calculated translating to monetary savings of €43,884 and Co2 savings of 412,666 Kg/Co2.

Simple payback (SPB) under normal pricing regimes of just 3 months.

More detail available on request at info@gem.ie

“ - ‘This was the full package ... a straightforward retrofit project which was fully sponsored by Bord Gais EEOS with savings of 23% on our gas bill and seamless project management from GEM’

Donal Murphy

Carton Energy Manager

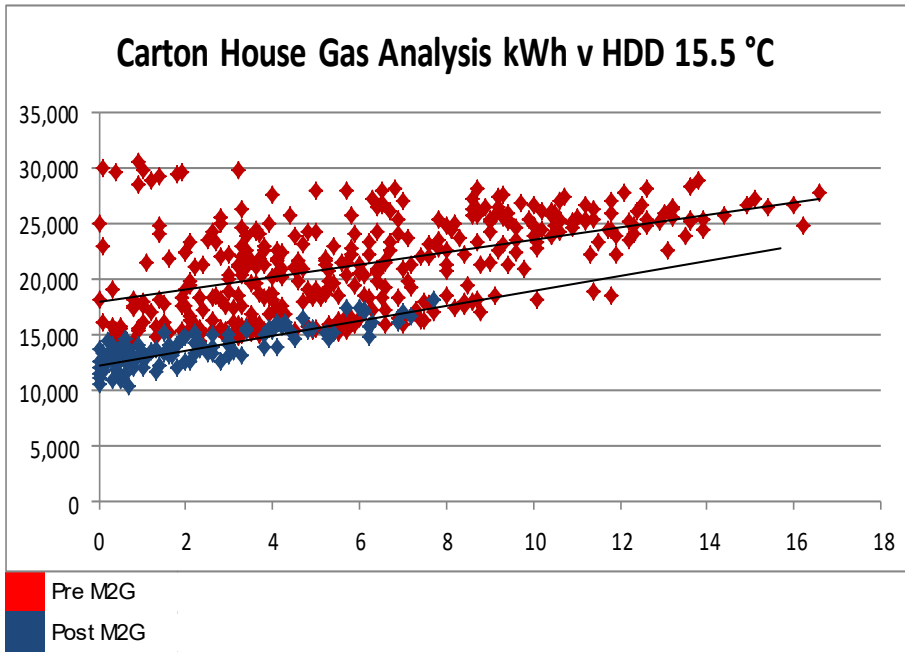


Carton House & Spa, Maynooth , Co Kildare.

Highlights

- Savings to IPMVP
- EEOS full support
- Simple Retrofit
- No loss of comfort
- Same day completion
- 3 month payback

Gas Savings Analysis



Applications

M2G is suitable for Low-Medium temperature hot water boilers **up to 125 °C** including Atmospheric, Forced Draught, Single-Stage, 2-Stage, Modulating Boilers, Modulating Burners, Condensing Boilers and Oil Fired Pressure Jet Burners. M2G is suitable for Natural Gas, Oil and LPG fired heating systems.

No steam application.



Contact Us

Visit us at www.gem.ie

Contact us at info@gem.ie

For more information about M2G or for an appointment contact

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About GEM...

GEM is the leading supplier of boiler load control technology in the ROI and has 15 years experience in delivering projects for public and private sector organizations.



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GEM-Utilities ... delivering untapped energy savings !

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